

OFF-BOARD NAVIGATIONAL SYSTEM

Abstract of the Disclosure

An off-board navigation system including, in a vehicle, a user interface, a geographic location detection apparatus, for generating a position data representing the position of the vehicle, and a wireless transmitter/receiver, and call receiving center remote from the vehicle. The call receiving center includes a wireless transmitter/receiver, a roadmap database, and a processor for calculating road routes based on the roadmap database. A user in the vehicle transmits a route request to the call receiving center. The vehicle position data is communicated from the vehicle to the call receiving center. The call receiving center calculates a route based on the route request and the vehicle position data received from the vehicle over the wireless data. The route is transmitted from the call receiving center to the vehicle.